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U. S. Department of Agriculture - Forest Service  
CENTRAL STATES FOREST EXPERIMENT STATION

In Cooperation With  
Ohio Agricultural Experiment Station  
OHIO DIVISION OF FORESTRY

Technical Note 20.

VOLUME TABLE 1/

for

WHITE OAK

(*Quercus alba*)

Stark County, Ohio

LIE August 15, 1940.

REC

★ SEP 4 1940

U.S. Govt. Print.

INTERNATIONAL Rule ( $\frac{1}{4}$ " Kerf)

Merchantable Stem to a Variable Top Diameter

Diameter breast high outside bark (inches)	Volume of stem in 12.3-foot logs to merchantable height						Basis in trees
	1 log	2 logs	3 logs	4 logs	5 logs	6 logs	
10	19	37	54				1
11	24	47	68				8
12	30	59	86	111			8
13	37	73	106	137			9
14	45	89	129	166			1
15		104	153	198			-
16		122	177	229			-
17		141	205	265			-
18		163	236	305			8
19		185	269	348			9
20		198	302	392			6
21		233	338	437			2
22		254	374	483			1
23		279	406	530			-
24			447	577	715		-
25			484	625	770		-
26			520	678	826		-
27			560	723	880		-
28			598	768	935		-
29			819	990	1170		3
30			863	1045	1235		7
31			914	1100	1300		4
32			965	1155	1365		7
33				1216	1430		1
34				1275	1495		3
35				1330	1560		2
36				1390	1625		-
37				1450	1690		2
38				1505	1760		1

Basis in trees-- number	3	21	17	19	12	11	83

1/ Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 - "The Ohio Woodland Survey." Measurements taken at 12-foot log lengths above a 1.0-foot stump height. Scaled as 12-foot logs, and additional shorter top logs; top sections less than 8 feet in length scaled as fractions of an 8-foot log. Table prepared, in 1940, by the equation method. Coefficient of multiple correlation ( $R$ ) = .996. Standard error of estimate, 89.1 to 112.2 percent. Block shows limits of basic data.

A. G. ADMAN

O. D. DILLER

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